STRONG
DIGITAL TV

Digital Terrestrial Receiver
SRT 55

Picture similar

User manual
Bedienungsanleitung
Manuel d'Utilisateur
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Návod k obsluze

Digital Terrestrial | 1000 Channels | SD Card Slot | Digital Recorder | Timeshift | MPEG | JPEG | MP3 | TV Info | 8 Favourite lists | < 1 Watt Stand-by | Wizard

www.strong.tv

Fig.1

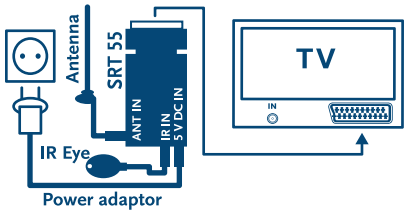


Fig. 2

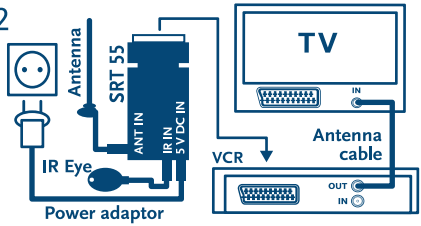


Fig. 3

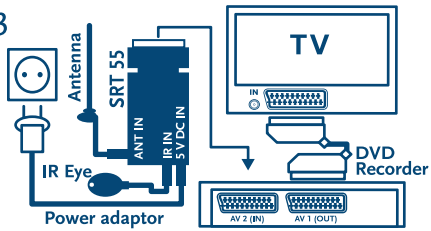


Fig. 4

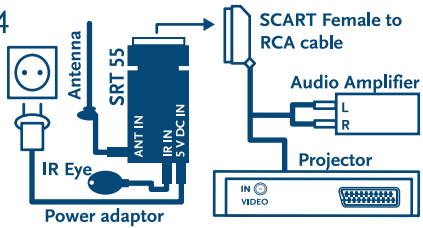


Fig. 5

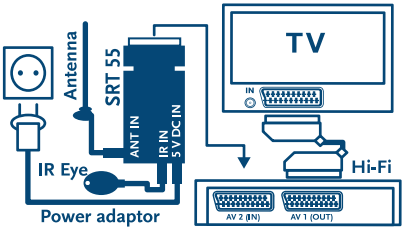


Fig. 6

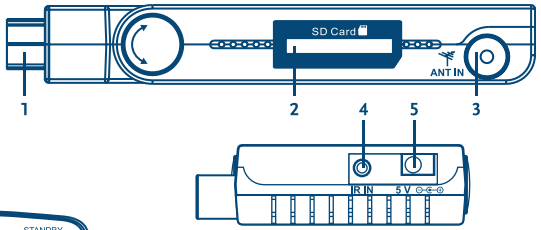


Fig. 7

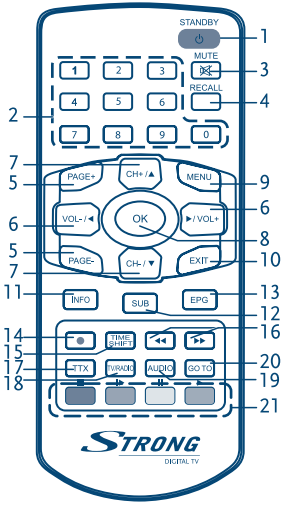
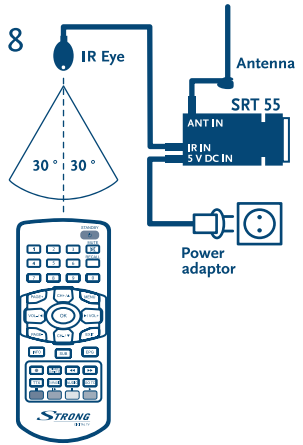


Fig. 8



STRONG
DIGITAL TV

English

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HOTLINE
0180 500 75 43*
* €0.14/Min. from German wired line
0820 400 150*
* €0.12/Min. from Austrian wired line
0826 029 928*
* €0.14/Min. from French wired line
per June 2008

1.0 INSTRUCTION

1.1 Safety Instructions

This SCART Receiver has been manufactured to satisfy international safety standards. Please read the following recommended safety precautions carefully.

The lightning flash with arrowhead symbol within an equilateral triangle is intended to alert the user to the presence of not isolated dangerous voltage with the inside of the product that may be of sufficient magnitude to constitute a risk of electric shock to persons.
The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and servicing instructions in the literature accompanying the appliance.

Read All Instructions - Before you use the product, read all operation instructions, For more information on accessories such as the lithium ion battery, refer to the manuals provided with those products.
Save These Instructions- Save all safety and operating instructions for future reference.
Heat Warnings - Read carefully and follow all warning labels on the product and those described in the instructions.
Follow Instructions- Follow all instructions provided with this product.
Cleaning - Always unplug this product from the wall outlet before cleaning. Use only a damp cloth for cleaning. Never use any type of liquid or aerosol cleaner, or any type of organic solvent to clean this product.
Attachments - For your safety, and to avoid damaging the product, use only accessories recommended by STRONG.
Water and Moisture - Never use this product around water (near a bathtub, kitchen sink, laundry tub, wet basement. swimming pool or in the rain)
Location -To avoid damage to the product and prevent personal injury, never place this product on an unstable stand, tripod, bracket, Follow the instructions that describe how to safely mount the product, and use only the mounting devices recommended by the manufacturer.
Power Sources - Connect this product only to the power source described on the product label. If you are not sure about the type of power supply in your home, consult your local power company. Refer to instruction pages for information on using the product with a battery.
Grounding, Polarization - If this product is used with a specified AC adapter, the adapter may be equipped with a polarized alternating current line plug (a plug with one blade wider than the other). This safety feature allows the plug to fit into the power outlet only one way, If you cannot insert the plug into the wall outlet, pull it out, reverse it, and have the receptacle replaced.
Ventilation - Slots and openings- In this case are provided for ventilation to ensure reliable operation of the SCART adaptor and to protect it from overheating. These openings must not be blocked or covered. The openings should never be blocked by placing the SCART adaptor on a bed, sofa, rug, or heat register. This Scart adaptor should not be placed in a built-in installation such as a book case or rack, unless proper ventilation is provided. Ensure that free airflow is maintained around the Scart Receiver. Place the SCART Receiver at least 30 mm from the wall.
Protecting the Power Cord - The power supply cord should be placed so it will not be walked on. Never put a heavy object on the power cord or wrap it around the leg of a table or chair. Keep the area around the power cord connection points, at the power outlet, and at the product connection, free of all AC adapter or accessory power cords.

GENERAL PRECAUTIONS - SAFETY PRECAUTIONS

Lightning - If a lightning storm occurs while using a specified AC adapter, remove it from the wall outlet immediately. To avoid damage from unexpected power surges, always unplug the AC adapter from the power outlet and disconnect it from the receiver when the receiver is not in use.

Overloading - Never overload wall outlets, extension cords, power strips, or other power connection points with too many plugs.

Foreign Objects, Liquid Spillage-To avoid personal injury caused by fire or electrical shock from contact with internal high voltage points, never insert a metal object into the product. Avoid using the product where there is a danger of spillage.

Heat - Never use or store this product near any heat source such as a radiator heat register, stove, or any type of equipment or appliance that generates heat, including stereo amplifiers.

Servicing - Refer all servicing to qualified personnel. Attempting to remove the covers or disassemble the product, could expose you to dangerous high voltage points.

Damage Requiring Service - If you notice any of the conditions described below while using a specified AC adapter unplug it from the wall outlet and refer servicing to qualified service personnel:

1. Liquid has been spilled onto the product or some other object has fallen into the product.
2. The product has been exposed to water.
3. The product does not operate normally despite following operating instructions. Adjust only the controls described in the operating instructions as improper adjustment of other controls could damage the product and require extensive repair word by a qualified technician.
4. The product has been dropped or damaged in any way.
5. The product exhibits distinct change in performance.

Replacement Parts - When replacement parts are required, make sure that the authorized service centre uses only parts with the same characteristics as the originals, as recommended by the manufacturer. Unauthorized substitution of parts could result in fire, electrical shock, or create other hazards.

Safety Check - Upon completion of servicing or repairs, ask the service technician to perform safety checks to determine that the product is in good working order.

Apparatus shall not be exposed to dripping or splashing and no objects filled with liquids, such as vases, shall be placed on or next to the apparatus.

Where the mains plug or all-pole mains switch is used as the disconnect device, the disconnect device shall remain readily operable.

1.2 Storage

Your receiver and its accessories are stored and delivered in a packaging designed to protect against electric shocks and moisture. When unpacking it, make sure that all the parts are included and keep the packaging away from children.

When transporting the receiver from one place to another or if you are returning it under warranty make sure to repack the receiver in its original packaging with its accessories. Failing to comply with such packaging procedures could void your warranty.

1.3 Equipment Set-up

We recommend you consult a professional installer to set up your equipment. Otherwise, please follow these instructions carefully:

- Refer to the user manual of your TV and your antenna
- Make sure that the SCART cable/connector and outdoor components

of the antenna are in a good condition and the SCART connections are well shielded

This manual provides complete instructions for installing and using this receiver.
The following symbols will serve as follow.

⚠ **WARNING**	Indicates warning information.
Tips	Indicates any other additional important or helpful information.
MENU	Represents a button on the remote control. (**Bold Character**)
Move to	Represents a menu item within a window. (*Italic Character*)

1.4 Features & Accessories

- For all* digital Free-To-Air TV and Radio programmes (with outdoor or indoor antenna)
- Terrestrial Receiver for direct connection to SCART connector (TV, VCR, DVD, Projector, HIFI)
- 180° rotatable
- Remote control operates receiver via Infrared Sensor Eye
- SD Card reader for watching photo albums, recording and playing video or music files***
- Pause live TV with time shifted playback via SD card (rewind, fast forward, slow motion and GOTO function)
- Event recording (Daily, Weekly, Monthly)
- One Touch Recording
- 1 hour recoding – file size approx. 2 GB
- Slide show while MP3 is playing
- Quick and easy installation and user-friendly menu
- Excellent Audio and Video quality
- 1 000 channels memory capacity
- Fast channel zapping: sorting by alphabet, free/encrypted channels
- Electronic TV Programme Guide (EPG) for on screen programme information of present/following event information up to 7 days**
- 8 wake-up Timers with 4 modes (once, daily, weekly, monthly)
- Sleep Timer (10, 30, 60, 90, 120 min)
- Booking of events directly from EPG
- Full multi-lingual DVB subtitling and audio track support**
- Support Teletext** via receiver and TV set
- 8 Favourite lists for TV- and Radio programmes
- Parental lock function for menu and rating control for channels
- Multi-lingual support on screen menu (OSD), such as English, German, French, Italian, Spanish, Czech
- Automatic and manual channel scan options
- Many channel handling options: locking, editing, moving, sorting, skipping, deleting and searching

- Power on with last viewed channel
- User-friendly remote control
- NTSC/PAL converting automatically and manually
- 3 Games (Tetris, Snake, Othello)
- Support of active antenna by 5 V output

* Depending on local signal conditions
** Availability depending on broadcaster
*** STRONG cannot guarantee the playback of external video files, which have not been recorded by this device

Accessories:

- 1 User Manual
- 1 Remote control unit with 1 Battery (coin cell 3 V)
- 1 Infrared eye
- 1 Power adapter

Note: The batteries should not be recharged, disassembled, electrically short-circuited or be mixed or used with other types of batteries.
If rechargeable accumulators instead of batteries are going to be used, we recommend using (e.g. NiMH) types with low self-discharge to ensure long time operation of remote control.

2.0 CONNECTION

Connecting to TV, Terrestrial Antenna, IR Eye and Main Power ***Fig. 1***

To receive the broadcast signal, the terrestrial antenna cable should be connected to the ANT IN connector at the receiver. Then connect the IR connector into the receiver and make sure it is properly connected to the IR sensor input. Afterwards you can plug the power adapter to the main power source. After all connections are established carefully, the IR eye LED must light, otherwise the Remote Control will not react.

Connecting to TV and VCR ***Fig. 2***
Connecting to DVD Recorder ***Fig. 3***
Connecting to a Projector ***Fig. 4***
Connecting to a Hi-Fi device ***Fig. 5***

3.0 YOUR RECEIVER

Fig. 6

1. **SCART PORT**	To connect to your TV set.
2. **SD Card reader**	To insert your SD card.
3. **ANT IN**	To connect an antenna for reception of broadcasting signal (support antenna power 5 V DC).
4. **IR Sensor slot**	To connect IR eye plug
5. **DC IN**	To connect the power adapter plug (5 V DC/1 A).

3.1 Remote Control

1. ⏻ Turns the receiver On/Standby
2. **0~9** Channel selection or value input
3. 🔇 Mutes audio output of the receiver
4. **RECALL** Back to previous shown channel
5. **PAGE+/PAGE-** Page up/down
6. **VOL+/VOL-** Menu Off: Volume up/down; Menu On: navigation & change settings
7. **CH+/CH-** Menu Off: Channel up/down; Menu On: navigation
8. **OK** Menu Off: Displays the current channel list; Menu On: Activates the highlighted menu item.
9. **MENU** Menu Off: Opens the main menu. Menu On: You will get one step back. Multimedia: Go to upper folder
10. **EXIT** Exits from the menu or sub-menu
11. **INFO** Shows the actual channel information
12. **SUB** Shows list of subtitle languages
13. **EPG** Shows the EPG (Electronic Program Guide) in TV mode
14. ● Records the TV program to the SD card
15. **TIMESHIFT** Activates the timeshift function
16. ◀◀ / ▶▶ Fast rewind / Fast forward
17. **TTX** Shows Teletext on OSD (On Screen Display)
18. **TV/RADIO** Toggles between TV and RADIO mode
19. **AUDIO** Shows list of the current audio channel /language
20. **GOTO** Only used to go to desired position in Record/Playback mode
21. **COLOURED BUTTONS** For Multimedia and Teletext functions

Fig. 7, 8

The remote control transmits a directional infrared beam. Be sure to aim the remote control directly at the infrared sensor of the unit during operation. If the sensor has been covered or there is a large object between the remote control and the sensor, the sensor will not respond. The sensor may not able to receive the remote signal when it is exposed to direct sunlight or a strong artificial light (fluorescent or strobe light). In this case, change the direction of the light or reposition the unit to avoid direct lighting.

4.0 FIRST TIME INSTALLATION

If you use the receiver for the first time, the *"Easy Install"* menu appears. Use the ◀▶ buttons to change settings for setup of Region, OSD Language and Antenna Power and the ▲▼ to select. Then use the ▲▼ buttons to move focus to Search and press **OK** to proceed with the automatic channel scan.

5.0 MAIN MENU

In viewing mode always press **MENU** to enter the Main Menu. It consists of following submenus: *Channel, Installation, Setup, Tools* and *Media+*

5.1 Channel

1. Use the ▲▼ buttons to select Channel and press **OK** to enter.
2. Use the ▲▼ buttons to highlight the desired item and press **OK** to select.
3. Press **EXIT** to exit.

Note: You can also press **OK** in TV mode to enter channel list.

5.1.1 TV Channel list

1. In Channel submenu select *TV Channel List* with the ▲▼ buttons and press **OK** to enter.
2. Use the ◀▶ buttons to change channel group (assumed you have already set up Favourite groups).
3. With the ▲▼ buttons select the channel you want to watch. With **OK** you can watch the selected channel in full screen mode.

5.1.1.1 Edit

Use this menu to favour, lock, skip, delete and rename channel list. Press numeric button **[1]** to enter edit menu. With the ▲▼ buttons highlight a channel and press **OK** to select or press numeric button **[0]** to select all channels. Selected channels will get marked. This way of selection can be executed for each of the edit functions.

- **Favor:** To add selected channel or all channels to a favourite group, press the **[1]** button. Use the ▲▼ to select a desired group and press **OK**. With ◀▶ select *Yes* in the confirmation window and press **OK** to save. Selected channels will get marked with folder symbol.
- **Lock:** To Lock channel or all channels press button **[2]**, with ◀▶ select *Yes* in the confirmation window and press **OK** to save. Selected channel/s will get marked with the 🔒 symbol.
- **Skip:** To Skip channel or all channels press button **[3]**, with ◀▶ select *Yes* in the confirmation window and press **OK** to save. Selected channel/s will get marked with the ⬅ and will be skipped during channel zapping in full screen mode.
- **Delete:** To Delete channel or all channels press button **[4]**, with ◀▶ select *Yes* in the confirmation window and press **OK** to save.

If you have done all modifications concerning channel editing, press **EXIT** to cancel.

5.1.1.2 Find

Press the **[2]** button in to enter *Find menu.* Use the ▲▼◀▶ buttons to highlight desired letters or numbers and press **OK** to insert. After each character, the channel list will search the channel according your input and list the matched channel. Press **EXIT** to quit Find mode.

5.1.1.3 Sort

Press the **[3]** button in to enter *Sort menu.* Use the ▲▼ buttons to highlight desired sort way and press **OK** to confirm.

Default: Sorting by searched Order (from lowest to highest frequency).

Name (A-Z): Sorting in Alphabetical Order.
Name (Z-A): Sorting in Alphabetical Order.
FTA: First in the list will be Free-To-Air channels.
Lock: First will be listed all unlocked and then the locked channels.

5.1.1.4 Move

Press the **[4]** button to activate the *Move function*. The selected channel will be marked in a ▲▼ symbol, use the ▲▼ buttons to move the selected channel to the desired position. With ◀▶ select *Yes* in the confirmation window and press **OK** to save.

5.1.2 Radio Channel list

Basically, the operation of *Radio Channel List* is the same as in *TV Channel List* only difference is that in *Radio Channel List* there is no video information, so it will always display the radio logo at the right preview screen.

5.1.3 Delete Favourites and Groups

Use this menu to delete all favourite channels. Select *Delete All Favourites* with the ▲▼ and press **OK**, with ◀▶ select *Yes* in the confirmation window and press **OK** to delete or select *No* to cancel.

5.1.4 Delete all

Use this menu to delete all channels. Select *Delete All* with the ▲▼ and press **OK**, then enter the Password **(default: 0000)**. In the confirmation window select *Yes* with ◀▶ and press **OK** to delete or select *No* to cancel.

5.1.5 Group Rename

In this menu you can change favourite group name. Use the ▲▼ buttons to select *Group Rename* and press **OK** to enter.

1. With the ▲▼ buttons select a group and press **OK**.
2. At the appearing Keyboard use the ▲▼◀▶ buttons to highlight desired letters or numbers and press **OK** to insert. After you entered desired group name, highlight **OK** at the keyboard to confirm.
3. Press **EXIT** button to cancel the group rename.

5.2 Installation

5.2.1 Auto Scan

1. Use the ▲▼ buttons to select *Installation*, press **OK** button to enter menu.
2. With the ▲▼ buttons select *Auto Scan*, press **OK** to enter the menu.
3. Press the ◀▶ buttons to change *Scan mode*, and use the ▲▼ to highlight Search, press **OK** to start auto scan.

5.2.2 Channel Scan

1. Use the ▲▼ buttons to select *Installation*, press **OK** to enter the menu.

2. With the ▲▼ buttons to select *Channel Scan* and press **OK** to enter the menu.
3. Use the ◀▶ buttons to select one of two *Scan Modes – By Channel* and *By Frequency*.
4. When *By Channel* is selected use the cursor buttons to select *Scan Band* and *Channel No*. When *By Frequency* is selected use the cursor buttons to select *Frequency* and *Bandwidth*. Select *Network Search* to *ON* or *OFF*, highlight *Search* and press **OK** to start scan. After Channels are found, they will be stored and receiver switches to the first one saved in the list.

5.2.3 Antenna Setting

1. Press **MENU** to enter main menu.
2. Use the ▲▼ buttons to select *Installation*, press **OK** to enter the menu.
3. With the ▲▼ buttons select *Antenna setting* and press **OK** to enter.
4. Press the ◀▶ buttons to change setting. If *On* is selected, the receiver will provide 5 V antenna power (for active antennas).
5. Press **EXIT** button to exit.

5.2.4 Logical channel numbering

If *LCN* (Logical Channel Number) is activated and LCN signal is provided by operator, then channels will be stored at operator defined order. You can activate/deactivate the *LCN* function by setting the "*LCN Mode*" to *ON*/*OFF*.

5.3 Setup

This menu allows you to set *OSD Language, TV System, Region and Time, Timer Setting, OSD Setting* and *Parental Lock*.

1. Press ▲▼ buttons to highlight desired menu and press **OK** button to enter the setting menus. Then press ▲▼ buttons to select desired item. Settings can be changed by pressing ◀▶ buttons. You can get better overview if press **OK** first. Now you can select desired setting by ▲▼ buttons and confirm it with **OK**.
2. Press **EXIT** button to exit.

5.3.1 OSD Language

This menu allows you to set OSD Language.

5.3.2 TV System

This menu allows to setup different settings concerning your TV set.

Display Mode:	*PAL*/*NTSC*/*AUTO*
Aspect Ratio:	Use this menu to configure the screen aspect between: *4:3 PS* (Pan&Scan), *4:3 LB* (Letter Box) and *16:9* (Wide Screen) and AUTO
Video Output:	Switch the video output mode either to *RGB* or to *CVBS*

5.3.3 Region and Time

Here you can set your region and time zone.

Region: This menu is used for changing the region setting.

GMT Usage: This menu is used for usage of GMT.
The options are: *Off / User Define / By Region*

GMT Offset: This menu is valid only when selected "*User Define*" in *GMT Usage* menu. The GMT offset range is "*-11:30 ~ +12:00*", increasing by half hours progressively.

Date/Time: "*Date*" and "*Time*" menus are valid only when selected "*Off*" in *GMT Usage* menu. Press **OK** then numeric button to change the date and time.

Time Display: This menu allow to control whether the time is displayed on screen or not. The options are: *Off/On*.

5.3.4 Timer Setting

In this menu you can set a programme timer or sleep timer.

Programme timer

Timer Number: You can set 8 timers

Timer Mode: *Off/Once/Daily/Weekly/Monthly*

Timer Service: *TV Service/Radio Service*

Wake-up Channel: You can select a desired channel as wake-up channel.

Month/Date/Day: Press ▲▼ buttons to select your desired month, date and day.

Time: Press **OK** to input the time with the numeric buttons.

Duration: Press **OK** to input desired duration with the **numeric** buttons.

Auto Record: Use the ◀▶ buttons to adjust *On* or *Off*, depending if you want Timer to activate recording via SD Card.

Record Duration: Only activated for recording. Press **OK** to input desired duration with the numeric buttons.

When you want to quit programme timer, a saving window appears, with ◀▶ select *Yes* in the confirmation window and press **OK** to save or select *No* to cancel.

Sleep Timer

You can set the receiver to switch to Standby in *10 min*, *30 min*, *60 min*, *90 min* and *120 min* automatically. Additionally there is shown the value of time Remains: HH:MM

5.3.5 OSD Setting

This menu allows you to change settings for: *Subtitle Display, OSD Transparency,* and *Load Default OSD Setting.*

Subtitle Display: To set the subtitle to *DVB, Teletext* or *OFF*.

OSD Transparency: To set the OSD transparency from *Off ~ 50 %*.

OSD Timeout: To set the wanted duration for banner display from 3 s ~ 10 s.

Load Default OSD Setting: To clear all OSD settings and reset to default value.

5.3.6 Parental Lock

This menu allows you to protect the installation menu, or channels with a password and you can change the Password. If you want to enter the menu you will be asked to input the password **(default: 0000)**.

Menu Lock: Locks the installation menu. You can set menu lock to *ON*/*OFF*.
Channel Lock: *Off/Manual/Age:4 - Age:18*
New Password: To change the password.
Confirm Password: To confirm the new password.

5.4 Tools

Press **MENU** button to enter main menu. Select "*Tools*" and press **OK** button to enter tools menu.

1. Press ▲▼ buttons to highlight the desired menu and press **OK** button to enter.
2. Press **EXIT** button to exit.

5.4.1 Receiver Information

This menu displays some Receiver information like Hardware, Software, Build Date and our Web site www.strong.tv.

1. In *Tools menu*, select "*Receiver Information*" and press **OK** button to open receiver information window.
2. Press **EXIT** button to exit.

5.4.2 Games

This menu allows you to play games (Tetris, Snake and Othello) on this receiver.

1. Select "*Games*" in Tools menu and press **OK** button to enter game menu.
2. Press ▲▼ buttons to select a desired game, and press **OK** button to enter the game. Highlight "*Start*" and press **OK** button to start the game. For changing levels highlight "*Setup*" and use ◀▶ buttons.
3. Press **EXIT** button to quit the game

Note: You can also press **OK** button to pause playing

5.4.3 Load Factory Default

This menu allows you to reset the receiver back to factory settings, clear all existed channels.

Note: This option will delete all your settings and channel lists and set your receiver to factory default!

1. Enter "*Tools*" menu, select "*Load Factory Default*" and press **OK** button, you are asked to input password.
2. Input the correct password using the numeric buttons (**the default password is "0000"**), a confirmation window is displayed.
3. Select "*Yes*" to return back to factory settings and clear all channels. Select "*No*" to cancel.
4. Press **EXIT** button to exit.

5.4.4 Software Upgrade

1. Enter "*Tools*" menu, select "*Software Upgrade*" and press **OK** button, *Software Upgrade* menu is shown.
2. Press ▲▼ buttons to select *"Upgrade by Storage"* item and press **OK** button, you are asked to input password.
3. Input the correct password (**the default password is 0000**), *Software Upgrade* submenu is opened. Then select the correct software file and press **OK** to start. Message will be displayed to confirm update process, select *"Yes"* to confirm or *"No"* to cancel.
4. Press **EXIT** button to exit.

WARNING: After an update the receiver restarts automatically! During this process NEVER disconnect the receiver from the main or switch power OFF! This can damage your receiver and warranty will void!

Note: This receiver has foreseen an over the air update function, which might not be available at your local broadcast conditions. For further details visit our website www.strong.tv or contact your local Serviceline.

5.5 Media+

The "*Media+*" menu consists of following submenus: *Media Player*, *Record Manager*, *Removable Disk Information*, *Record Settings*, *Safely remove storage device* and *Disk Format*.

1. Press **MENU** button to enter main menu. Select "*Media+*" and press **OK** button to enter *Media+ menu*.
2. Press ▲▼ buttons to highlight desired menu and press **OK** button to enter.
3. Press **EXIT** button to exit.

Use the three button rows in bottom of RCU for Player operation. Description for further usage of buttons will be displayed on screen.

5.5.1 Media Player

This function allows you to play MPEG-2, Audio and Photo files from connected storage device

1. In "*Media+*" menu, select "*Media Player*" and press **OK** button to enter Media Player menu.
2. Press ▲▼ buttons to select a desired item, and press **OK** or **PLAY** button to play the desired files.
3. Press **EXIT** button to exit.

5.5.2 Record Manager

This menu allows you to playback the recorded files.

1. In "*Media+*" menu, select "*Record Manager*" and press **OK** button to enter *Record Manager* menu.
2. Press ▲▼ buttons to select a desired recording and press **OK** or **BLUE** (▶) button to playback the desired files.
3. Press **EXIT** button to exit.

During the playback, it is possible to perform the following actions:
Press **YELLOW (II)** button to pause the playback.
Press the ▶▶ ◀◀ buttons for fast forward or fast rewind during playback
Press **GREEN (I▶)** button once to perform slow motion, every further press will change the slow motion speed (1/2, 1/4, 1/8).

5.5.3 Removable Disk Information

In this menu you can display information about the storage card.

1. In "*Media+*" menu, select "*Removable Disk Information*" and press **OK** button to enter this menu.
2. Press **EXIT** button to exit.

5.5.4 Record Settings

This menu allows you to set the time for *Timeshift*, define *Record Type*, set *Standby Mode* and *Record Recovery*.

1. In "*Media+*" menu, select *Record Settings* and press **OK** to enter this menu.
2. Press ▲▼ buttons to select a desired item and use ◀▶ buttons to change settings.
3. Press **EXIT** button to exit.

Timeshift Time(min): *10/20/30/40/50/60*
Record Type: *TS/PS*
Standby Mode: *ON/ OFF*
Record Recovery: *ON/ OFF*

5.5.4.1 Time shift and Recording functions

Please connect your SD Card in the correct direction to the foreseen port of your receiver. Wait a few seconds after the sign for connected device is shown on screen then you are ready to start Time Shift or Record for the broadcasted programme.

Time Shift

Timeshift function allows you to watch a programme in time shifted mode.
Press the **TIMESHIFT** button in viewing mode. Then you can use the ◀▶ buttons to move the cursor to the desired time which you want to watch, afterwards press **OK** to confirm. In case the info banner is not shown you just need to press the **INFO** button to call it up/show again.

Time Shift and Record

To perform this action you have to press the ● button after you started the Time Shift. Then a confirmation window appears where you need to select *Yes* for buffering Time Shift and record the present program. If you select *No* then it will only record the program.

Stop Time Shift

If you want to stop Time Shift press **EXIT** or ◀▶ buttons, then a confirmation window appears. Select *Yes* to stop Timeshift or select *No* to continue Timeshift.

Record

There are 3 different ways to record programmes: *Instant recording*, *recording from EPG* and *recording via Timer*

Instant record
In viewing mode press the ● button to instantly start a record on the current channel. Press the **RED** (■) button to stop recording. If you press the ● button again you can adjust the duration for this record. Insert the time with the **Numeric buttons** and press **OK** to confirm then press **EXIT** to remove the message.
From EPG
Press the **EPG** button to enter the programme guide, than select an event and channel with the buttons described on screen. Press ● button on an event to plan a timer on this event. An icon is then displayed besides the planned event. If you want to remove the planned record you have to press ● button again.
Manual scheduling
If you want to set a record manually you can set recording through the Timer menu. For details refer to chapter 5.3.4 Timer Setting.

Note: In case the available free space on the SD Card is not enough, recording operation of broadcast will stop. Maximum Available Timeshift setting is 1h (min. 2 GB Card).

Available Timeshift settings: *10/20/30/40/50/60 min*, the maximum time is 1h (min. 2 GB Card)

Available Record Type: *TS/PS*. TS:Transport stream which include Teletext, Subtitles etc. PS: Program stream which can be played back by PC or another device.

WARNING: Please consider that Timeshift needs min. 20 MB free space on the SD card and an accurate Timeshift function is depending on the speed of the used SD card.

5.5.5 Safely Remove Storage Device
In "*Media+*" menu, select "*Safely Remove Storage Device*" and press **OK** button to safely remove the USB device. Then a message is displayed.

5.5.6 Disk Format
1. In "*Media+*" menu, select *Disk Format* and press **OK** to enter this menu. You will see actual used Device and Partition displayed. Furthermore the available Capability in GB is shown.
2. Press ▲▼ buttons to select *File System* and use ◀▶ buttons to change between *FAT/ NTFS* settings.

6.0 OPERATION

6.1 Changing Channels
There are 4 ways of channel selection - stepping through the channel list, selection by number, from the on-screen channel list, and using the electronic programme guide (EPG).

1. **Stepping through the channel list**
   To move through the channel list, press the ▲▼ buttons on the remote control.

2. **Selected by number**
   Enter the channel number directly by pressing numeric buttons, and press the **OK** button to select desired channel.
3. **Selected by on-screen channels list**
   You can also select the required channel directly from on-screen channel list. This is displayed using the receiver's main menu. See *chapter 5.1.1* TV Channel list in this manual for operation detail. Alternatively you can call up channel list by pressing **OK** in viewing mode.
4. **Selected by EPG**
   You can also select the required channel directly from electronic programme guide (EPG). This is displayed by pressing **EPG** button on remote control. See in the below chapter for operation detail.

6.2 Accessing the Electronic Program Guide (EPG)

1. Press **EPG** button to enter *EPG menu.*
2. Press numeric button **[2]** to switch between channel list, events schedule of the selected channel and now/next events.
3. In the event schedule, press **OK** button to book the selected event, press numeric button **[3]** to open the *Detail menu* for the selected event.
4. Press numeric button **[1]** to open the *Booking list menu*.

6.3 Accessing the favourite channels

1. Press **OK** button to enter channel list.
2. Press ◀ or ▶ cursor buttons to select the desired favourite group.
3. Press ▲▼ buttons to select the favourite channel.

A.1 TROUBLESHOOTING

There may be various reasons for the abnormal operation of the receiver. Check the receiver according to the procedures shown below. If the receiver does not work properly after checking it, please contact the dealer. Do NOT open the receiver cover. It may cause a dangerous situation and the warranty will get void.

Problem	Possible cause	What to do
IR sensor light not lit	Mains lead unplugged/multipoint connector switched off Mains fuse blown Bad connection of IR sensor plug	Check mains lead /switch multipoint connector on Check fuse Check connection
No signal found	Aerial is disconnected Aerial is damaged/misaligned Out of digital signal area Active antenna requires to switch ON antenna power/external feed	Check aerial lead Check aerial Check with dealer Switch receiver's Antenna Power ON/ connect external feed
No picture or sound on TV/VCR**	Scart/ AV* is not selected on your TV TV or VCR are not connected to main	Switch to correct TV input Check mains lead

Problem	Possible cause	What to do
Scrambled channel message	Channel is scrambled	Select alternative channel
No response to remote control	Receiver off Handset not aimed correctly IR sensor obstructed Hand set batteries exhausted	Plug in and turn on plug Aim handset at IR sensor Check for obstructions Replace handset batteries
Forgotten channel lock code		Re-install channels to cancel channel lock
Forgotten menu lock code		Contact local Service Hotline or send email to our Support via www.strong.tv
After moving the receiver to another room you are no longer able to receive digital reception	The aerial feed former new point may come through a distribution system which may reduce the digital signal now received by the box.	Try a direct feed from the antenna

A.2 SPECIFICATIONS

Demodulator
Demodulator: 16-QAM/64-QAM, QPSK
Transmission mode: 2 K, 8 K

Video Decoder
Profile level: MPEG-2 MP@ML
Video resolution: 720 x 576 pixels (PAL),
720 x 480 (NTSC)
Decoding & Video Out: PAL & NTSC
Aspect ratio: 4:3 Letterbox, 4:3 Pan & Scan, 16:9

Audio Decoder
MPEG MusiCam Layer II
Sampling rate: 32, 44.1, 48 KHz
Audio mode: Stereo, Joint Stereo,
Dual Mono, Mono

Tuner
Front End: DVB-T, UHF & VHF Tuner
Input frequency range: 174 ~ 230 MHz (VHF)
and 470 ~ 862 MHz (UHF)
Loop through frequency range: 47 ~ 862 MHz
Input signal level: -78 ~ -20 dBm

Multimedia
Video recording and playback – MPEG-1 and MPEG-2 encoded (mpg)*
Audio playback – MP3 and WMA formats
Picture view – JPEG format
* STRONG cannot guarantee the playback of external video files, which have not been recorded by this device

Memory and System
Flash memory: 1 MByte
SDRAM: 16 MBytes

Connectors
ANT IN: IEC 169-2 Female
TV SCART (RGB, CVBS)
SD Card port
IR remote port

General Data
Supply Voltage 5 V DC
Power Consumption: < 4.5 W
Power consumption in Standby: <1 W
Operating Temperature: 0 ~ +40 °C
Storage Temperature: -30 ~ +80 °C
Operating Humidity Range:
10 ~ 85%, RH, Non-condensing
Size (W x D x H) in mm: 69 x 137,5 x 20,5
Weight: 102 g

STRONG declares that this item complies with the basic requirements and other relevant regulations of directives
CE 2004/108/EEC and 73/23EEC
RoHS 2002/95EEC

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